

Greenhouse Gas Inventory Guidance and Tools for States

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On behalf of EPA's State and Local Climate Change Program

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Overview

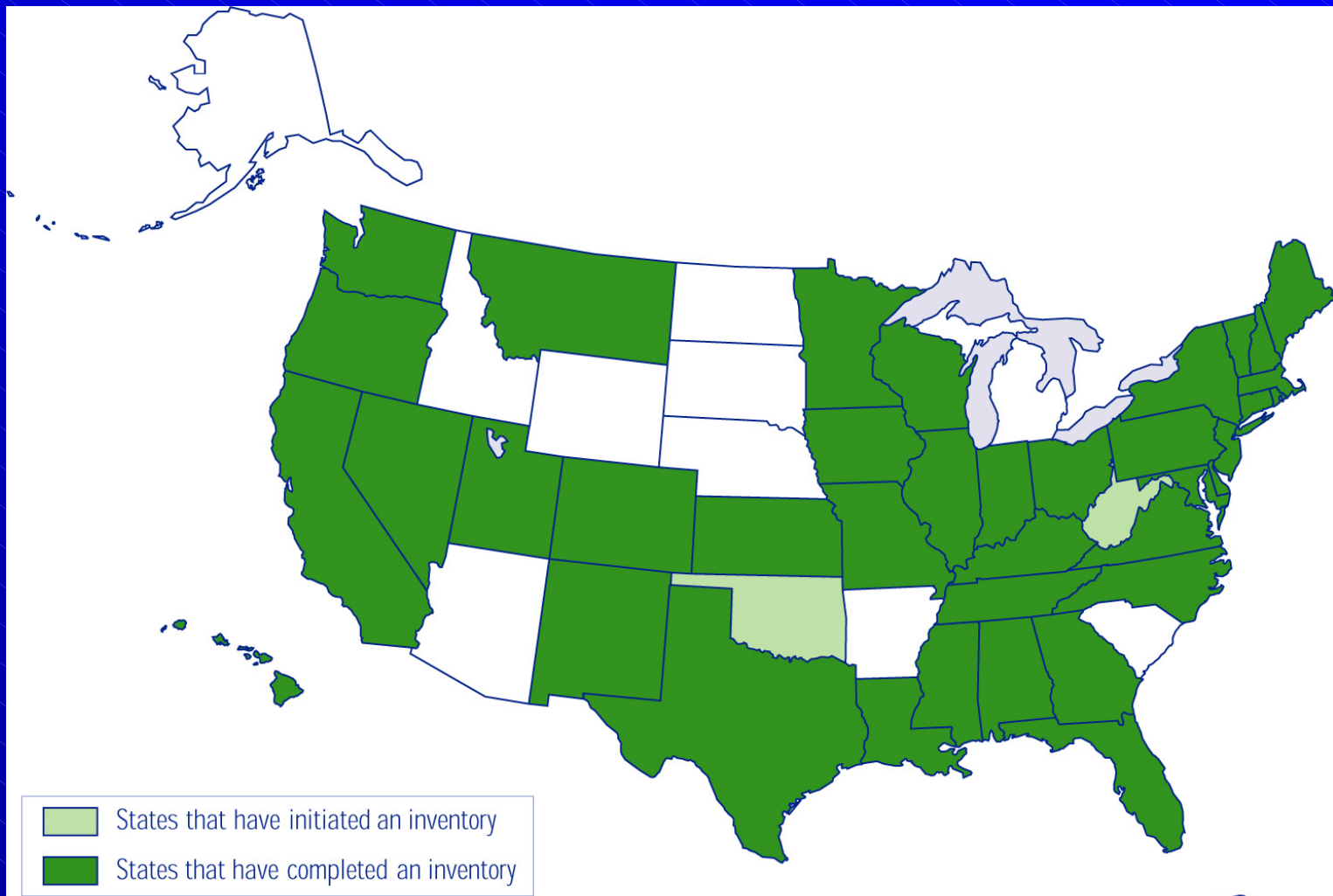
- History of state GHG inventories
- Lessons learned
- 2002 SLCCP initiatives
 - Revisions to EIIP Guidance
 - State Inventory Tools
- Tool demonstration
- Moving forward



Historical Perspective

- The State and Local Climate Change Program began in 1990
 - Mission: to build capacity in the states
- SLCCP developed guidance for estimating state GHG emissions
- SLCCP gave grants to states to develop GHG inventories
- 38 states and Puerto Rico have developed inventories for 1990
 - inventories for WV and OK are underway

Completed State GHG Inventories





Lessons Learned

- Inventories are time-intensive
 - Collecting the data
 - Identifying the correct emission factors
 - Setting up the infrastructure to calculate emissions
- Inventories for 1990 are not as useful today as they might have been in 1995
- Emission trends are necessary for projecting emissions, identifying mitigation activities, and setting targets



Lessons Learned (cont.)

- Methods in 1998 EIIP Guidance are outdated
- States need tools
 - To facilitate updates
 - To project emissions
 - To analyze trends



2002 SLCCP Initiatives

- Revise EIIP Guidelines
- Develop emission estimation tools
- Develop projection tool



Revisions to EIIP Guidance

- Streamline the guidance
- Improve consistency with U.S. Inventory data sources, emission factors, and methods
- Incorporate state-level data sources, methods, and emission factors where possible



State Inventory Tools

- Cover all sources included in the guidance
- Include default state-level activity data and emission factors
- Enable states to override default data when state data are available
- Provide maximum transparency



Sources and Corresponding Tools

Energy Tools

- CO_2 from Fossil Fuel Combustion
- CH_4 and N_2O from Stationary Combustion
- CH_4 and N_2O from Mobile Combustion
- Natural Gas and Oil Systems
- Coal Mining

Other Tools

- Industrial Processes
- Agriculture
- Municipal Solid Waste
- Wastewater



Using the Tools

- Complete one tool at a time or farm tools out to sector experts
- When tools are complete, create export files
- Use synthesis tool to create summary tables and graphs

Tool Demonstration: Agriculture

State Inventory Worksheet - Agriculture

File Edit Module Tools

	A	B	C	D	E	F	G	H	I	J
1	State Inventory Worksheet - Agriculture									
2										
3	1. Choose a State.	Alabama								
4	<i>This is very important - it selects the correct default variables for your state.</i>									
5										
6	2. Fill In the Variables that are used in this Tool and Click to proceed to the respective worksheets.									
7	<i>Either Type in the Value or Select from the List</i>									
8										
9	Enteric Fermentation									
10	Animal Group									
11	Dairy Cattle									
12		Dairy Cows								
13		Dairy Replacements								
14		Replacements								
15		Replacements								
16	Beef Cattle									
17		Beef Cows								
18		Beef Replacements								
19		Replacements								
20		Replacements								
21		Heifer Stockers								
22		Steer Stockers								
23		Feedlot Heifers								
24		Feedlot Steer								
25		Bulls								
26	Other									
27		Sheep								
28		Goats								

Reset Worksheet

State Inventory Worksheets

Welcome to the State Greenhouse Gas Inventory Worksheets:

Agriculture Module

Draft 10/17/02

State & Local Climate Change Program

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Click to continue to Enteric Fermentation Worksheet

Control Enteric Fermentation CH4 from Manure Management N2O from Manure Management

Start Inboxes - Mic... Updated tools SL Guidanc... Phila GPCR... State Inv... 3:55 PM



Moving Forward...

- Finalize guidance
- Finalize tools
- Develop projection tool
- Release CD and online versions